INDEX TO VOLUME IX

Aaron, A. H., 524.
Abbot, C. G., 527, 528.
Abdominal lesions, multiple, Frequency of, R. A. Arens and A. R. Bloom, 60.
Acetylene flame, direct, as destructive agent, use of: thermocauterization of malignant growths, W. H. Kennedy and Hamilton Row, 304.
Acrocephaly and syndactylism, Combined, occurring in mother and daughter: case report (abstract), A. A. Weech, 536.
Addison, C. J., 24, 37.
Adler, 470.
Aldrich, Martha, 464, 469.
Alberti, 267.
Albrecht, 7, 14, 17, 22, 236, 240.
Alius, 108.
Allen, Kotz, 340, 425.
Alvarez, Walter C., 11, 47, 55.
American Association of Registered Radiological Technicians, 79.
American College of Radiology Gold Medal, 257, 338.
American College of Radiology, Washington conference of, 337.
American College of Surgeons, 343, 346, 347.
American Legion in Paris, Committee of French physicians to entertain, 256.
American Medical Association, Section on Radiology, officers, 172.
Anatomie Radiographique du Squelette Normal (review), J. Belot and F. Lepennetier, 534.
Ancel, P., 23, 37.
Ancelet, 37.
Anders, James M., 43, 46.
Anderson, 27, 37.
Anderson, E. B., 166.
Anderson, J. H., 37.
Anencephalus, Diagnosis of, before birth, R. J. Maier, 166.
Aneurysm, Thoracic: report of case, R. C. Pendergrass and J. J. Clark, 512.
Anglade, 363, 365.
Annual Meeting, New Orleans, 1927, 80, 171, 172, 253-255, 339, 435-445, 516-525.
Anspach, Brooke M., 259.
Aorta and heart in early syphilis: clinical observations (abstract), K. B. Turner and P. D. White, 177, 178.
Aorta, roentgenological study of, Some observations from, B. H. Nichols, 136.
Apparatus, Radiologist and his (editorial), 516.
Arens, Robert A., 51, 55, 60, 83, 85, 87, 88, 174, 175, 216, 261, 263, 264, 268, 333, 355, 356, 440, 448-450, 497, 519, 523, 537, 538.
Arens, Robert A., and Bernstein, Maurice A., Epiphyseolysis (original paper), 497. *See other references.*
Arens, Robert A., and Bloom, Arthur R., Case of calcified thyroid (original paper), 333. *See other references.*
Arens, Robert A., and Bloom, Arthur R., Frequency of multiple abdominal lesions (original paper), 60. *See other references.*
Armstrong, G. E., 346.
Arnold, 54, 55.
Arnold, L., 329.
Aschoff, Ludwig, 465, 467, 469.
Ascoli, 193.
Aspray, Joseph, 428, 440, 524.
Asthma, bronchial, and allied conditions, Further observations on roentgen-ray treatment of, Isaac Gerber, 192.
Asthma in children, Source of, T. D. Cunningham, 280.
Asthma, New method of treating, by radiation (editorial), S. Gilbert Scott, 336.
Aubertin, 507, 509.
Auenbrugger, 478.

Babcock, W. Wayne, 259.
Bachem, A., Physical and biological observations about skin reactions, 241.
Bacmeister, 236, 240.
Bader, Ellis R., 159.
Baetjer, F. H., 232, 338.
Bagg, H. J., 230, 232.
Bailey, H., 232, 321, 331.
Baldwin, W. M., 37, 230, 232.
Ballantyne, J. W., 232.
Ballin, Max, 266, 267.
Ballon, David H., 178.
Ballon, Harry C., 178.
Bamberg, K., 94, 102.
Barber, W. Howard, 44, 46.
Barclay, A. E., 295.
Bardeen, Charles R., 78, 99, 102, 230, 232.
Barker, 18.
Barker, Lewellys F., 258.
Barnard, 344.
Barnes, J. M., 443, 520.
Barney, J. D., 117, 124.
Barrow, S. C., 339, 519.
Bass, C. C., 440, 522.
Baumel, 37.
Baumgartner, 479.
Bayet (Brussels), 315.
Baylor, 362, 365.
Bazin, 270.
Beck, Edgar C., 524.
Beck, Joseph, 427, 428, 431, 432.
Béclère, 338.
Beconet, M. Schurmann, 37.
Bectere, H., 37.
Beeler, Raymond C., 135.
Behnken, H., 289, 440, 522.
Behrens, 425.
Belden, W. W., 440, 519, 521.
Bell, Blair, 259.
Bell, Joseph C., Keith, D. Y., and Keith, J. Paul, Chronic obstruction of duodenum, 15.
Belot, J., 534, 535.
Bendove, Raphael A., 268.
Beneke, F. W., 96, 97, 102.
Bergerhoff, 193-195.

INDEX TO VOLUME IX

Aaron, A. H., 524.
Abbot, C. G., 527, 528.
Abdominal lesions, multiple, Frequency of, R. A. Arens and A. R. Bloom, 60.
Acetylene flame, direct, as destructive agent, use of: thermocauterization of malignant growths, W. H. Kennedy and Hamilton Row, 304.
Acrocephaly and syndactylism, Combined, occurring in mother and daughter: case report (abstract), A. A. Weech, 536.
Addison, C. J., 24, 37.
Adler, 470.
Aldrich, Martha, 464, 469.
Alberti, 267.
Albrecht, 7, 14, 17, 22, 236, 240.
Alius, 108.
Allen, Kotz, 340, 425.
Alvarez, Walter C., 11, 47, 55.
American Association of Registered Radiological Technicians, 79.
American College of Radiology Gold Medal, 257, 338.
American College of Radiology, Washington conference of, 337.
American College of Surgeons, 343, 346, 347.
American Legion in Paris, Committee of French physicians to entertain, 256.
American Medical Association, Section on Radiology, officers, 172.
Anatomie Radiographique du Squelette Normal (review), J. Belot and F. Lepennetier, 534.
Ancel, P., 23, 37.
Ancelet, 37.
Anders, James M., 43, 46.
Anderson, 27, 37.
Anderson, E. B., 166.
Anderson, J. H., 37.
Anencephalus, Diagnosis of, before birth, R. J. Maier, 166.
Aneurysm, Thoracic: report of case, R. C. Pendergrass and J. J. Clark, 512.
Anglade, 363, 365.
Annual Meeting, New Orleans, 1927, 80, 171, 172, 253-255, 339, 435-445, 516-525.
Anspach, Brooke M., 259.
Aorta and heart in early syphilis: clinical observations (abstract), K. B. Turner and P. D. White, 177, 178.
Aorta, roentgenological study of, Some observations from, B. H. Nichols, 136.
Apparatus, Radiologist and his (editorial), 516.
Arens, Robert A., 51, 55, 60, 83, 85, 87, 88, 174, 175, 216, 261, 263, 264, 268, 333, 355, 356, 440, 448-450, 497, 519, 523, 537, 538.
Arens, Robert A., and Bernstein, Maurice A., Epiphyseolysis (original paper), 497. *See other references.*
Arens, Robert A., and Bloom, Arthur R., Case of calcified thyroid (original paper), 333. *See other references.*
Arens, Robert A., and Bloom, Arthur R., Frequency of multiple abdominal lesions (original paper), 60. *See other references.*
Armstrong, G. E., 346.
Arnold, 54, 55.
Arnold, L., 329.
Aschoff, Ludwig, 465, 467, 469.
Ascoli, 193.
Aspray, Joseph, 428, 440, 524.
Asthma, bronchial, and allied conditions, Further observations on roentgen-ray treatment of, Isaac Gerber, 192.
Asthma in children, Source of, T. D. Cunningham, 280.
Asthma, New method of treating, by radiation (editorial), S. Gilbert Scott, 336.
Aubertin, 507, 509.
Auenbrugger, 478.

Babcock, W. Wayne, 259.
Bachem, A., Physical and biological observations about skin reactions, 241.
Bacmeister, 236, 240.
Bader, Ellis R., 159.
Baetjer, F. H., 232, 338.
Bagg, H. J., 230, 232.
Bailey, H., 232, 321, 331.
Baldwin, W. M., 37, 230, 232.
Ballantyne, J. W., 232.
Ballin, Max, 266, 267.
Ballon, David H., 178.
Ballon, Harry C., 178.
Bamberg, K., 94, 102.
Barber, W. Howard, 44, 46.
Barclay, A. E., 295.
Bardeen, Charles R., 78, 99, 102, 230, 232.
Barker, 18.
Barker, Lewellys F., 258.
Barnard, 344.
Barnes, J. M., 443, 520.
Barney, J. D., 117, 124.
Barrow, S. C., 339, 519.
Bass, C. C., 440, 522.
Baumel, 37.
Baumgartner, 479.
Bayet (Brussels), 315.
Baylor, 362, 365.
Bazin, 270.
Beck, Edgar C., 524.
Beck, Joseph, 427, 428, 431, 432.
Béclère, 338.
Beconet, M. Schurmann, 37.
Bectere, H., 37.
Beeler, Raymond C., 135.
Behnken, H., 289, 440, 522.
Behrens, 425.
Belden, W. W., 440, 519, 521.
Bell, Blair, 259.
Bell, Joseph C., Keith, D. Y., and Keith, J. Paul, Chronic obstruction of duodenum, 15.
Belot, J., 534, 535.
Bendove, Raphael A., 268.
Beneke, F. W., 96, 97, 102.
Bergerhoff, 193-195.

Bergonié, J., 235, 240.
Berkman, 42.
Bernstein, Maurice A., and Arens, Robert A., Epiphyseolysis (original paper), 497.
Berthelot, 304.
Bertwistle, A. P., 533.
Bethea, W. R., 440, 521.
Betz, 270.
Beyea, 32, 37.
Biliary tract, Discussion on some recent developments in our knowledge of (abstract), E. A. Graham and A. F. Hurst, 85, 86.
Bilirubin and cholecystographic mediums by gall bladder, Concentration of, B. R. Kirklin, H. D. Caylor, and J. L. Bollman, 463.
Billings, Frank, 414.
Binkley, George E., 440, 522.
Bird, Clarence E., 120, 121, 124, 404.
Bissell, Frank S., 209, 217, 338.
Blackshear, S. M., 340.
Bladder diverticula, Pathogenesis of (abstract), D. K. Rose, 536.
Bladder, Diverticulum of: report of unusual case (abstract), I. R. Sisk, 86, 87.
Blain, Alexander W., 344.
Blaine, E. S., 80, 440, 444, 524, 525.
Blalock, A., 63, 64.
Bland-Sutton, Sir John, 344.
Blatchford, 27, 37.
Blatt, Paul, 110, 123.
Bloch, 274.
Blood investigations during radium treatment in patients with carcinoma of cervix (abstract), E. Rud, 448.
Blood supply, Experiments on radiation of tumors, with special reference to their (abstract), J. C. Mottram, 265.
Blood vessels, functional stage of, following roentgen irradiation, Regarding changes of. Second communication: On influence of roentgen irradiation upon following development of inflammatory processes (abstract), N. W. Lazarew, 446, 447.
Bloodgood, J. C., 7, 18, 22, 23, 34, 37, 41, 42, 44, 46, 304, 307, 364, 444, 525.
Bloom, Arthur R., 58, 60, 64, 333.
Bloom, Arthur R., and Arens, Robert A., Case of calcified thyroid (original paper), 333. *See other references.*
Bloom, Arthur R., and Arens, Robert A. Frequency of multiple abdominal lesions (original paper), 60. *See other references.*
Blum, Victor, 110, 123.
Boerner, Frederic, 23.
Boernerus, F., 37.
Bohart, W. H., 234, 441.
Bollman, Jesse L., Caylor, Harold D., and Kirklin, Byrl R., Concentration of cholecystographic mediums and bilirubin by gall bladder (original paper), 463.
Bolton, Charles, 539.
Bone sarcoma: the primary malignant tumors of bone and the giant cell tumor (abstract), Anatole Kolodny, 343, 346-353.
Borak, J., 147, 407.
"Borderline rays," Physical and biological investigations regarding so-called (abstract), G. Gabriel, 263.
"Borderline rays," Principles and future of (abstract), G. Bucky, 266.
Bordet, 507, 509.
Bowers, Paul E., 258.
Bowie, E. R., 339, 340, 519, 520.
Bowie, Mrs. E. R., 340, 520.
Bowing, Harry H., 179, 321.
Bowman, W. B., 440, 524.
Boyd, Dr. Edith, 100-102.
Boyden, E. A., 202, 204, 217.
Braasch, William F., 109, 112, 117, 118, 123, 124, 358, 440, 524.
Bratton, A. B., 100, 102.
Brewer, C., 23, 37.
Brickner, 52, 55.
Bricon, 24, 37.
Brin, 7.
Brinton, 260.
British Empire Cancer Campaign, Fourth Annual Report of (review), 344.
Brödel, M., 389.
Broders, A. C., 238, 322, 327-329, 364, 365, 367, 382, 387.
Broman, 37.
Bronson, Walter, 440, 522.
Brooks, Charles F., 527.
Brooks, H., 60, 64.
Brown, Marion Earle, 340, 416-427, 431, 432.
Brown, Marion Earle, Ocular manifestations of diseases of paranasal sinuses (original paper), 418. *See other references.*
Brown, R. K. *See* Lee-Brown, R. K.
Brown, Samuel, 164, 440, 522.
Brown, W. Herbert, 178.
Brunemeier, 52, 55.
Brüning, 236, 240.
Bruns, 476.
Bryan, Lloyd, 338.
Bryant, 15, 16, 22.
Buchbinder, J. R., 42.
Bucky, G., 263, 266.
Buerger, 115.
Bugbee, Henry B., 109, 123.
Bulson, Albert E., Jr., 84.
Bumke, Oswald, 258.
Bundesen, Herman N., 251, 252.
Burget, 53, 55.
Burnam, Curtis F., 302, 331, 338, 366, 383, 384, 386, 387, 440, 522, 530.
Burnam, Curtis F., Radium in intra-oral cancer (original paper), 366. *See other references.*
Burnheim, 22.
Burrell, L. S. T., 538.
Burrows, W. T., 441, 521.
Buy, 24, 37.
Byfield, A. H., 280, 281, 284.
Byrne, J., 304, 307.

Cabot, Hugh, 110, 113, 115, 123, 124, 251.
Cahen, J., 321.
Calculi, Prostatic: with case report (abstract), H. B. Podlasky and D. V. Elconin, 83.
Caldwell, Otis W., 527.
Calkins, L. A., 91, 92, 102.
Calot, 503 (caption).
Cameron, 24, 38.
Campbell, 166.
Campbell, Willis, 440, 522.
Campbell, W. W., 528.
Cancer, Blair Bell treatment of, 259.

Cancer, experimental tar, Radium treatment of (abstract), G. Stoel, 85.
Cancer Hospital Research Institute, 344, 345.
Cancer Institute, Strassburg, 315.
Cancer, intra-oral, Radium in, Curtis F. Burnam, 366.
Cancer, intra-oral, Surgery in cases of, E. Starr Judd and Gordon B. New, 380.
Cancer research, *see* British Empire Cancer Campaign, etc.
Carcinoma, effect of roentgen rays on, Contribution to mechanism of (abstract), J. Borak, 407.
Carcinoma, effect of roentgen rays on, Regarding more exact knowledge of (abstract), H. Hamperl and G. Schwarz, 267.
Carcinoma, intra-oral, Cervical lymph nodes in, James J. Duffy, 373.
Carcinoma of cervix, Blood investigations during radium treatment in patients with (abstract), E. Rud, 448.
Carcinoma of cervix uteri: its operative prognosis: clinical and pathological study to ascertain prognosis following operation for extirpation of malignant process (abstract), K. H. Martzloff, 538.
Carcinoma of colon (abstract), Solomon Fineman, 176.
Carcinoma of proximal jejunum, High intestinal obstruction caused by primary (abstract), W. R. Morrison, 449.
Carcinoma of rectum, Treatment of, by irradiation, Harry H. Bowing, 179.
Carcinoma of uterine cervix, prognosis and treatment of, Relation of degree of histological malignancy to, Henry Schmitz, 322.
Carcinoma, radiation therapy of, Reasons for failures in (abstract), Hermann Wintz, 539.
Carcinoma, radio-biology of, Regarding (abstract), H. Dehler, 505.
Carcinoma, Spontaneous cure of, in its relation to radiation therapy (abstract), O. Strauss, 147.
Carcinoma, uterine, Prognosis of, in light of microscopical examination (abstract), W. Lahm, 449, 450.
Cardiolysis for mediastinopericarditis, with case report (abstract), J. A. Mattison, 447.
Cardiometry, Simple method of, I. S. Trostler, 75.
Cardiospasm, with kinking of esophagus from kyphosis, Alexander B. Moore and Porter P. Vinson, 73.
Cardio-vascular disease, Diagnosis of, Don C. Sutton, 77.
Carey, Eben J., 219, 441.
Carlson, 47, 48, 52, 55, 56.
Carman, Russell D., 215.
Carpenter, E. R., 538.
Carson, W. J., 132, 134.
Carter, L. J., 178, 266, 356, 447, 519, 521.
Carty, John R., Inguinal granuloma of unknown origin associated with bone changes, 334.
Case, James T., 1, 23, 47, 55, 58, 166, 202, 204, 209, 212, 253, 338, 440, 444, 445, 519, 523-525.
Case, James T., Chronic obstruction of small intestine (original paper), 1. *See other references.*
Cash, S. L., 30, 37.
Casper, 114, 124.
Casper, Leopold, 174.
Cassar, A., Diverticulum of second portion of duodenum, 515.
Cassegrain, O. C., 340.
Cassute, 438.
Castaidi, L., 102.
Cattell, Henry W., 259.
Cattell, J. McKeen, 528.
Caulk, John R., 109, 118, 123.
Cavanaugh, J. A., 428.
Cavazzani, E., 37.
Caylor, Harold D., Bollman, Jesse L., and Kirklin, Byrl R., Concentration of cholecystographic mediums and bilirubin by gall bladder, 463.
Cecum and ascending colon content, Relation of, to idiopathic epilepsy (abstract), G. E. Armstrong, 346.
Cecum, Tumors of: discussion and report of 48 cases (abstract), J. F. Erdmann and H. E. Clark, 262.
Cervix, carcinoma of, Blood investigations during radium treatment in patients with (abstract), E. Rud, 448.
Cervix, malignancy of, Radiation treatment of, by radium emanation, Ira I. Kaplan, 314.
Chalaron, F. J., 340, 520.
Chamberlain, W. Edward, 440, 445, 519, 520, 523, 525.
Champneys, F. H., 92, 103.
Chandler, L. R., 355.
Chaperon, R., 141, 145.
Chase, 55.
Chassaignac, Charles C., 340.
Chest, physical signs of, Roentgenology as investigational field in mechanism and diagnostic significance of (abstract), R. A. Bendove, 268.
Chilaiditi, D., 23, 37.
Child, 230.
Children, asthma in, Source of, T. D. Cunningham, 280.
Children, Thymic enlargement in: its diagnosis and treatment, J. Cash King, 148.
Childs, D. S., 338, 522.
Childs, S. B., 437.
Chipman, W. W., 344.
Cholecystitis, Chronic: analysis of 100 consecutive cases diagnosed with cholecystography and treated by cholecystectomy in which end-results were investigated (abstract), I. Y. Olch, 263.
Cholecystographic mediums and bilirubin by gall bladder, Concentration of, B. R. Kirklin, H. D. Caylor, and J. L. Bollman, 463.
Cholecystography, Experimental studies in, Julius Friedenwald, Maurice Feldman, and Francis X. Kearney, 68.
Cholecystography, New iodine compound for, B. R. Kirklin and E. C. Kendall, 205.
Cholecystography, Oral: comparison of methods, T. O. Menees and L. E. Holly, 213.
Cholecystography, Present status of, and remarks on mechanism of emptying of gall bladder (abstract), E. A. Graham, 357, 358.
Cholecystography: summary, Sherwood Moore, 200.
Cholecystostomy, End-results of, as shown by cholecystogram (abstract), R. C. Spurling and L. R. Whitaker, 354.
Christie, A. C., 67, 338, 519, 530.
Clark, George L., 440, 522.
Clark, Harold E., 262.
Clark, James J., 333, 334, 512.

Clark, James J., and Pendergrass, Robert C., Thoracic aneurysm: report of case (original paper), 512. *See other references.*
Clark, John G., 331.
Clark, J. P., 363, 365.
Clark, William, of Philadelphia, 277.
Clarke, J. J., 498, 499, 505.
Climacteric disturbances, Regarding treatment of, by irradiating thyroid and hypophysis, according to Borak (abstract), J. B. Porchownik, 147.
Coblentz, W. W., 440.
Codman, Ernest Amory, 18, 22, 23, 37, 44, 46, 343.
Coe, F. O., 152.
Coffey, R. C., 23, 34, 37.
Cole, A. M., 135.
Cole, Lewis Gregory, 2, 23, 37, 47, 55, 58, 76, 209, 212, 218, 253, 440, 444, 445, 522, 525.
Cole, Warren H., 68, 162, 201, 204, 208-210, 212, 215, 216.
Coleman, C. C., 161.
Collenot, 140.
Collier, 346.
Colon, ascending, content, Relation of cecum and, to idiopathic epilepsy (abstract), G. E. Armstrong, 346.
Colon, Carcinoma of (abstract), Solomon Fineman, 176.
Colon, Diverticulitis of (abstract), Max Ballin, 267.
Colon, Foreign body in: case report, Samuel Brown, 164.
Colwell, Hector A., 87.
Compton, 288.
Connor, 17, 18, 22.
Conyers, C. A., 443, 524.
Cook, Thomas & Son, 533.
Cooley, C. L., 355.
Coolidge, William D., 257, 338, 438.
Coomb Lying-in Hospital, Dublin, 345.
Copher, G. H., 162, 201, 204, 209, 210, 212.
Cords, E., 37.
Costolow, William E., 444, 523.
Cotton, 447.
Coupal, J. F., 259.
Couret, M., 340.
Coutard, H., 321.
Cozzolino, O., 507, 509.
Craig, Gordon, 344.
Craig, Robert H., 447.
Crane, A. W., 440, 522.
Crebbin, J. T., 340.
Cremieu, 507, 509.
Crile Clinic, Cleveland, 18.
Crouse, H., 23, 37.
Crowder, William, 527.
Crowe, 362, 365.
Crymble, 37.
Cumming, R. E., 537.
Cumston, Charles Greene, 259.
Cunha, 47, 55.
Cunningham, T. D., 198, 199, 280.
Cunningham, T. D., Source of asthma in children (original paper), 280. *See other references.*
Curie Institute, Paris, 315, 317.
Cushing Harvey, 400, 403, 404.
Cushway, B. C., 177, 233, 234, 259, 338, 433-435, 441, 519.
Cutler, 365.
Dachtler (Toledo), 386.
Dactylitis, Tuberculous, in infancy (abstract), M. C. Tod, 448.
Dally, 271.
Dandy, W. E., 75.
Dannmeyer, F., 163.
Dareste, C., 230, 232.
Davey, Wheeler P., 441, 524.
Davidson, Percy B., 259.
Davis, L., 322, 329.
Davis, Watson, 527, 528.
Davy, 304.
Dean, L. W., 280, 284.
De Grange, J. T., 340.
Dehler, Hans, 505.
Delherm, L., 141, 145.
Delporte, F., 321.
Denechau, 7.
Denney, O. E., 524.
Dentistry, Clinical Preventive (review), H. R. Raper, 534.
De Page, Pierre, 463, 469.
Derlen, 139.
Dermatology, Methods of radiation therapy in, Rollin H. Stevens, 269.
De Schweinitz, George E., 425.
Desjardins, Arthur U., 345, 346, 441, 444, 445, 519, 521, 525, 535.
de Takats, Geza, 446.
Deutsch, G., 298.
Deve, F., 84.
DeWitt, C. H., 135, 509.
Diaphragm, Spontaneous rupture of (abstract), B. R. Mooney, 355, 356.
Diaphragmatic hernia, Non-traumatic (abstract), J. S. Leopold, 265.
Dickinson, J. C., 338.
Dieulafoy, 60.
Dimitry, T. J., 520.
Diverticula, bladder, Pathogenesis of (abstract), D. K. Rose, 536.
Diverticulitis of colon (abstract), Max Ballin, 267.
Diverticulum of second portion of duodenum, A. Cassar, 515.
Döderlein's Clinic, Munich, 315.
Dóehle, 136.
Dominguez, Alfredo, 436.
Donaldson, Clyde O., 338, 441, 523.
Dorland, W. A. N., 231, 232.
Dorno, K., 163.
Dose, Physical, and biological effect (abstract), M. Jona, 175.
Dose, Tolerance, of human skin when using rays of different hardness (abstract), H. T. Schreus and L. Schoenholz, 174.
Dosimeter of constant sensitivity, new transportable, Standard calibration instrument of Goettingen (abstract), H. Kustner, 177.
Doub, Howard P., 267, 449, 523, 538.
Dowling, Mrs. Oscar, 520.
Downs, 54, 55.
Dragstedt, C. A., 41, 42, 49, 55.
Dragstedt, L. R., 41, 42, 49, 55.
Drueck, C. J., 259.
Drummond, J. C., 256.
Duane, William, 245, 250, 338.
Duffy, James J., 373, 386, 441, 522.
Duffy, James J., Cervical lymph nodes in intra-oral carcinoma (original paper), 373. *See other references.*

Duke, W. W., 270.
Dunham, H. K., 147.
Dunning, H. A. B., 72.
Duodenal ileus, Chronic (abstract), D. P. D. Wilkie, 355.
Duodenal obstruction, Chronic, John A. Wolfer, 39.
Duodenal stasis, Chronic, Edward L. Kellogg and William A. Kellogg, 23.
Duodenum, Antiperistalsis of, and its relation to pyloric regurgitation (abstract), Charles Bolton and R. W. A. Salmond, 539.
Duodenum, Chronic obstruction of, Joseph C. Bell, J. Paul Keith, and D. Y. Keith, 15.
Duodenum, Chronic obstruction of, William H. Holmes, 43.
Duodenum, Compression of, by mesentery and superior mesenteric vessels—an underlying cause of acute gastric dilatation (abstract), L. H. Slocumb, 332.
Duodenum, physiology of, Brief review of, A. C. Ivy, 47.
Duodenum, second portion of, Diverticulum of, A. Cassar, 515.
Dupuy, Homer, 340, 425.
Dupuy, Mrs. Homer, 520.
Dupuy, Jules, 340.
Duval, Charles W., 441, 522, 524.
Duval, P., 20, 23, 24, 29, 34, 37.
Dwight, Kirby, 260.
Dwight, Thomas, 18, 25, 37.
Dwyer, Maurice F., Report of case of thymoma, 510.

Eastman, 37.
Eberbach, Carl, 110, 123.
Ecker, 37.
Eckersdorf, 37.
Eddy, 54, 55.
Edinow, 272.
Edling, Lars, 167, 295.
Edwards, H. G. F., 340, 519.
Ehrmann, R., 37.
Eichler, L., 37.
Einstein, 252.
Eisen, Paul, 261.
Eisendrath, Daniel N., 37, 109, 112, 118, 123, 124.
Eisenmenger, 361.
Elconin, David V., 83.
Electro-desiccation and radium, Treatment of early malignancy of larynx treated by (abstract), R. H. Craig, 447.
Electrothermic methods, Newer developments in, in treatment of neoplasms (abstract), G. A. Wyeth, 261.
Elsberg, C. A., 393, 395.
Emerson, 251.
Emery, 475.
Encephalography: lumbar puncture and trephine methods (abstract), E. R. Carpenter, 538.
Endocrine glands, Action of X-rays on, H. Wintz, 285.
Engelbach, William, 45, 46.
Epilepsy, idiopathic, Relation of cecum and ascending colon content to (abstract), G. E. Armstrong, 346.
Epiphyseolysis, M. A. Bernstein and R. A. Arens, 497.
Erdmann, John F., 262.
Ernst, Edwin C., 337, 338, 441, 521, 530.
Erskine, Arthur W., 66, 338, 441, 444, 445, 519, 520, 525.
Erwin, H. C., 469.
Erysipelas, Treatment of, by roentgen ray (abstract), J. E. Harbinson and J. D. Lawson, 265.
Erythema, rays causing, Effect of light and heat (abstract), Fr. Peemoeller, 108.
Esophagus, kinking of, from kyphosis, Cardiospasm, with, A. B. Moore and P. P. Vinson, 73.
Esquier, G., 114, 124.
Essen-Moller, Gustaf E., 344.
Estes, W. L., 441, 522.
Eusterman, 42.
Evans, 509.
Evans, James A., 441, 522.
Evans, William A., 338.
Evans, W. A., 148, 149, 152.
Ewing, James, 160, 315, 321, 323, 329, 347, 359, 378, 379, 386, 418, 457, 461.
Ewing, James, Some phases of intra-oral tumors: with special reference to treatment by radiation (original paper), 359. *See other references.*
Exogen factors, Influence of, on formation of late reactions (abstract), G. Steiner, 261.
Experimental work, *see* Roentgen rays, Effect of, on development of tuberculosis in guinea pigs, F. A. Ford, 235.
Explantation method. On question of biological effect of roentgen rays and its investigation with (abstract), M. Schubert, 175, 176.
Exposure, Limit, in radiography, E. A. Pohle, 65.
Eye, foreign bodies within posterior segment of, Tolerance to (abstract), A. E. Bulson, Jr., 83, 84.
Eyster, J. A. E., 145.

Failla, G., 370.
Falk, A. A., 94, 96, 97, 103.
Falk, I. S., 251.
Farabeuf, L. H., 232.
Farrar, L. K. P., 321, 331.
Faucet, 27, 37.
Feldman, Maurice, 68.
Ferguson, J. Bell, 345.
Ferroux, R., 321.
Fineman, Solomon, 176, 538.
Finley, John H., 528.
Finney, J. M. S., 18, 23, 37.
Finsen, Niels R., 272, 273, 279.
Fischer, 295.
Fishberg, 477.
Fitz, Reginald, 464, 469.
Fletcher, E. A., 111.
Flint, 37.
Ford, Frances A., Effect of roentgen rays on development of tuberculosis in guinea pigs, 235.
Fordyce, John, 278.
Forestier, J., Jr., 440, 441, 445, 523, 525.
Forssell, Gösta, 255, 256, 272, 279, 530, 531.
Fortier, L. A., 339, 340, 519.
Fossier, A. E., 520.
Fractures of transverse processes of lumbar vertebræ (abstract), R. H. Kennedy, 447, 448.
Fractures, reduction of, New device for: uses, advantages, and results, L. G. McCutchen, 308.
Fraenkel (Breslau), 315.
Fraser, Robert H., 441, 523.
Frazier, Charles H., 388.
Freeman, 23, 33, 37.

Freiburg, Women's Clinic in, Regarding therapy of genital tuberculosis in (abstract), M. Wesseling, 83.
Freund, L., 279.
Fried, 196.
Friedenwald, Julius, 68.
Friedman, J. C., 51, 55, 64.
Frik, 66.
Frisch, A., 114, 124.
Fritsch, Ernst, 268.
Frontz, W. A., 117, 124.
Fuchs, Val. H., 340, 421, 425, 521.

Gabriel, G., 263.
Gaertner, O., 66, 265.
Gall bladder, Concentration of cholecystographic mediums and bilirubin by, B. R. Kirklin, H. D. Caylor, and J. L. Bollman, 463.
Gall-bladder diagnosis, Rationale of, Frank S. Bissell, 209.
Gall bladder, emptying of, remarks on mechanism of, and present status of cholecystography (abstract), E. A. Graham, 357, 358.
Gammeltoft, S. A., 344.
Gassul, 196.
Gastric dilatation, acute, an underlying cause of—Compression of duodenum by mesentery and superior mesenteric vessels (abstract), L. H. Slocumb, 332.
Gastro-intestinal perforation, Roentgenography in diagnosis of (abstract), M. H. Todd, 450.
Gately, T. T., 339, 340, 519.
Gautlier, R., 37.
Gedgovd, V. A., 92, 103.
Gelpi, Maurice J., 340, 441, 521.
Gelpi, Paul, 340.
Generich, 37.
Genital organs, On question of correlation between hypophysis and. Experimental investigations concerning relation between hypophysis and other inner-secretory glands (abstract), L. D. Podljaschuk, 64.
Genito-urinary problems, X-ray assistance in solving, E. C. Koenig, 104.
Genoud, 235, 240.
George, A. W., 2, 209, 211, 233.
Gerber, Isaac, 2, 192.
Gerster, A., 37.
Geyman, M. J., 441, 444, 521, 539.
Gibson, Thomas E., 353.
Giraud-Teulon, 304, 307.
Glasser, Otto, 65-67, 174, 245, 246, 249, 441, 445, 520, 525.
Glinski, 37.
Glocker, R., 262.
Goettingen, Standard calibration instrument of, new transportable dosimeter of constant sensitivity (abstract), H. Kustner, 177.
Goin, L. S., 440, 524.
Goiter from radiologist's viewpoint (abstract), W. H. McGuffin, 266.
Goldschmidt, 260.
Goldsmith, A. A., 56.
Goldstein, 132.
Gomila, F. R., 340.
Gordon, R. L., 340.
Gosset, A., 315, 321.
Gouchet, 140.
Graham, 53, 55.
Graham, Evarts A., 68, 86, 162, 200, 204, 205, 208–212, 215, 216, 358.
Grajewski, Leo E., 261.
Granberry, Carl, 425.
Granger, Amédée, 135, 339, 408, 409, 411, 414, 416, 423-425, 427-432, 445, 516-519, 521, 525.
Granger, Mrs. Amédée, 340, 520.
Granger, F. B., 441, 521.
Grant, Francis C., 388, 401, 405-407.
Grant, Francis C., Indications for and technic of ventriculography (original paper), 388. *See other references.*
Granuloma, Inguinal, of unknown origin associated with bone changes, John R. Carty, 334.
Gräper (Graeper), L., 100, 103.
Grashey, R., 67.
Grashey's Atlas, 233.
Gray, 27, 37.
Gray, Alfred L., 337, 338.
Grayson, T. W., 259.
Grebe, L., 241, 245, 246, 249.
Green, 136, 138 .
Green, John, 84.
Greenough, R. B., 322, 327-329.
Greenthal, R. M., 150, 152.
Grier, G. W., 135, 338, 441, 519, 522.
Griffith, H. D., 441.
Groedel, Franz M., 65, 78, 193, 440, 441, 521-523.
Grosh, L. C., 404.
Grote, Henry W., 441, 523.
Grove, 470 (footnote).
Gruhn, E., 245, 246, 249.
Gunsett (Strassburg), 315.
Guthmann, Heinrich, 539.
Guthrie, J. B., 340.
Gutmann, René A., 259.
Guy, W. H., 441, 524.
Gye, 344, 345.

Haden, R. L., 41, 42, 45, 46.
Haenisch, Fedor, 338.
Haessler, F. H., 426, 432.
Hager, Benjamin H., 131, 134, 358.
Hajek, M., 421, 425.
Hajos, 195, 198.
Hall, Oakey, 516.
Halpert, Bela, 23, 28, 30, 37.
Hamann, C. A., 37.
Hammar, J. A., 100, 103.
Hamperl, H., 267.
Hand, Dislocation of semilunar bone: neurospastic fixation of—deformity characteristic of injury (abstract), E. D. McBride, 264.
Hanke, M. T., 284.
Harbinson, J. Edward, 265.
Harbitz, F., 259.
Hardman, 17-20, 22.
Hardy, 425.
Harman, N. B., 28, 37.
Harris, M. L., 15, 16, 20, 22, 28, 37.
Harris, William, 340, 441, 521.
Harrison, R. B., 340.
Harrold, E. O., 343.
Harvey, S. C., 16, 37.
Hausmann, Walther, 270, 279, 354.
Hava, W. C., 520.
Hayat, 438.
Hayes, William Van V., 30, 37.
Healy, W. P., 321, 331.

Heart, Action of tetraiodophenolphthalein on, William D. Reid and Florence L. Kenway, 162.
Heart and aorta in early syphilis: clinical observations (abstract), K. B. Turner and P. D. White, 177, 178.
Heart size in man (editorial), Fred Jenner Hodges, 170-172.
Hedblom, Carl A., 265.
Heimann, F., 85.
Heinecke, 507.
Hellebrand, A., 88.
Heller, 136.
Hematoporphyrin, Regarding sensitizing effect of, in ultra-violet region (abstract), W. Hausmann and C. Sonne, 353, 354.
Henderson, Melvin S., 441, 522.
Henderson, W. F., 51, 55.
Henderson, Yandell, 470 (footnote).
Heng Liu, J., 240.
Henle, 37.
Herbst, Robert, 110, 123.
Herendeen, Ralph E., 442, 521.
Herlitzka, A., 37.
Hernia, diaphragmatic, Non-traumatic (abstract), J. S. Leopold, 265.
Herrick, John F., 338, 442, 521.
Hertoghe, E., 298.
Hertwig, G., 230, 232.
Hertwig, O., 230, 232.
Hertwig, P., 230, 232.
Hertzler, A., 37.
Herzfeld, G., 448.
Hess, George H., Possible developmental defects following over-radiation of thymus in early infancy, 506.
Heublein, 509.
Heyerdahl, Severin, 338.
Heyman, H. V., 321.
Hickey, Preston M., 337, 338, 406, 442, 445, 523, 525, 530, 531.
Hieger, 345.
Higgins, C. C., 18, 22, 23, 37.
Highman, W. J., 274, 279.
Hinman, Frank, 120, 121, 124, 537.
Hirsch, I. Seth, 56, 301, 442, 470, 519, 521.
Hirsch, I. Seth, Roentgen diagnosis of malignant neoplasms of lung (original paper), 470. *See other references.*
Hirst, B. C., 232.
Hirst, John C., II, 263.
Hodges, Fred Jenner, 170-172.
Hodges, Fred M., 172.
Hohlweg, H., 463, 469.
Holden, 225.
Holden, Frederick C., 314.
Holly, Leland E., and Menees, Thomas O., Oral cholecystography: comparison of methods, 213.
Holman, Emile, 354, 355.
Holmes, G. W., 140, 145, 404, 530.
Holmes, William H., Chronic obstruction of duodenum, 43.
Holthusen, H., 195, 253, 440, 442, 449, 520, 522.
Holzknecht, Guido, 108, 338.
Homans, John, 16, 22, 37.
Hopkins, Ralph, 442, 521.
Hospital records, Ownership of roentgenograms and, 340.
Hospital Supply Company, New York, 317.
Hospitals (in America)—
Barnes, St. Louis, 204.
Bellevue, New York, 314-321, 331.
Charity, New Orleans, 517.
Howard A. Kelly, Baltimore, 315.
Johns Hopkins, Baltimore, 537.
Massachusetts General, Boston, 176.
Memorial, New York, 315, 370, 373, 386.
Sick Children (Hospital for), 20.
State Cancer Institute, Buffalo, 315.
University of California, San Francisco, 353.
Woman's, New York, 315.
(For foreign hospitals and clinics, *see* names of institutions in alphabetical order.)
Hubeny, M. J., 231, 232, 337, 338, 427, 444, 530.
Hubert, 138.
Hueper, William, 323, 324, 328, 329.
Huet, P., 38.
Huldschinsky, 163.
Hume, J. R., 415, 425, 432.
Hume, J. R., Surgical diagnosis of paranasal sinus disease (original paper), 415. *See other references.*
Hunner, 132.
Huntington, 34, 37.
Hurst, Arthur F., 86.
Hushke, 24, 37.
Husten, K., 97, 103.
Hutchinson, 270.
Hydronephrosis, Coincidence of renal tuberculosis with (abstract), R. E. Cumming, 537.
Hypophysis and other inner-secretory glands, Experimental investigations concerning relation between. I.—On question of correlation between hypophysis and genital organs (abstract), L. D. Podljaschuk, 64.
Hypophysis and thyroid, irradiating, according to Borak, Regarding treatment of climacteric disturbances by (abstract), J. B. Porchownik, 147.

Ide, Charles E., 146.
Illingworth, C. F. W., 86.
Infancy, Tuberculous dactylitis in (abstract), M. C. Tod, 448.
Infant thorax, Studies on growth and structure of, Richard E. Scammon, 89.
Inglehart, M., 84.
Injuries, roentgen-ray, Prophylaxis of (abstract), G. Holzknecht, 108.
Insurance questionnaire, 257.
International Clinics, I, 37th Series (reviewed), 258.
International Congress of Radiology, Second, Stockholm (1928), 255, 437, 529.
International Radiotherapy: Reviews in the Field of Roentgen-, Curie-, Light-, and Electro-therapy, 258.
Intestine, small, Chronic obstruction of, James T. Case, 1.
Intracranial and skull lesions, Radiology as an aid in diagnosis of, M. C. Sosman, 396.
Intra-oral cancer, Radium in, Curtis F. Burnam, 366.
Intra-oral cancer, Surgery in cases of, E. Starr Judd and Gordon B. New, 380.
Intra-oral carcinoma, Cervical lymph nodes in, James J. Duffy, 373.

Intra-oral tumors, Some phases of: with special reference to treatment by radiation, James Ewing, 359.
Iodine compound for cholecystography, New, B. R. Kirklin and E. C. Kendall, 205.
Iodized oil, Use of, in demonstration of empyema cavities and fistulous tracts (abstract), J. D. Lawson, 174.
Ionization chamber independent from wave length and on measuring of back-scattering in water phantom, Regarding small (abstract), R. Glocker and E. Kaupp, 262.
Irradiation in ophthalmology (abstract), W. Stock, 173.
Irradiation, Intravaginal, with ultra sun lamp (Landeker) (abstract), N. Neufeld, 173.
Isaacs, Harry J., 509.
Israel, J., 110, 123.
Ivy, 385.
Ivy, A. C., 47, 56, 58.
Ivy, A. C., Brief review of physiology of duodenum (original paper), 47-56. *See other reference.*

Jaches, Leopold, 530, 531.
Jackson, Byron H., 338.
Jackson, Chevalier, 146, 147, 494.
Jackson, C. M., 92, 103.
Jackson, J. W., 38.
Jacobs, P. A., 449.
Janeway, 371.
Janges, 139.
Janssen, J. S., technician, 111.
Jejunal mucosa, Effect on, of transplantation to lesser curvature of stomach (abstract), G. de Takats and F. C. Mann, 446.
Jenkinson, E. L., 295, 442, 453, 522.
Jenkinson, E. L., X-ray diagnosis of bone tumors (original paper), 453. *See other references.*
Johns, F. M., 340.
Johnson, Clark M., 537.
Johnson, Fred, 442.
Johnson, W. O., 63, 64.
Johnston, Zoe Allison, 442, 524.
Jona, M., 175.
Jones, C. M., 464, 469.
Jones, F. X., 386.
Jonnesco (incorrectly Jennesco), 24, 38.
Jordan, Alfred C., 19, 21, 22, 43, 46.
Jorstad, L. H., 521.
Joseph, Eugene, 119, 124.
Judd, E. Starr, 60, 63, 210, 380, 383, 386, 387.
Judd, E. Starr, and New, Gordon B., Surgery in cases of intra-oral cancer (original paper), 380. *See other references.*
Jugenburg, A., 536.

Kaestle, 2.
Kahn, Max, 442, 519, 521.
Kann, U. S., 338.
Kaplan, Ira I., 314-321, 330-332.
Kaplan, Ira I., Radiation of malignancy of the cervix by radium emanation (original paper), 314. *See other references.*
Kaplan, Maurice L., 442, 524.
Kaufman, 333.
Kaufmann, Eduard, 466, 469.
Kaupp, E., 262.
Kawamura, 55.
Kearney, Francis X., 68.
Kearns, Walter M., 109, 132-134.
Kearns, Walter M., Pyelography in renal tuberculosis (original paper), 109. *See other references.*
Keen, W. W., 344.
Keeton, 55.
Kehr, 24, 38.
Keith, D. Y., Keith, J. Paul, and Bell, Joseph C., Chronic obstruction of duodenum, 15.
Keith, J. Paul, Keith, D. Y., and Bell, Joseph C., Chronic obstruction of duodenum, 15.
Kelling, G., 60, 64.
Kellogg, Edward L., 16-18, 22-38, 41, 42, 57.
Kellogg, Edward L., and Kellogg, William G., Chronic duodenal stasis (original paper), 23. *See other references.*
Kellogg, J. H., 13.
Kellogg, Vernon, 528.
Kellogg, William A., 16-18, 22-38, 41, 42, 57.
Kellogg, William A., and Kellogg, Edward L., Chronic duodenal stasis (original paper), 23. *See other references.*
Kells, C. Edmund, 521.
Kelly, D., 304, 307.
Kelly, Frank, 273.
Kelly, Howard A., 315, 331.
Kemp, G., 463, 469.
Kendall, Edward C., 205, 216.
Kennedy, Robert H., 448.
Kennedy, William H., and Row, Hamilton, Thermocauterization of malignant growths: the use of the direct acetylene flame as a destructive agent, 304.
Kent, Frank R., 528.
Kenway, Florence L., 162.
Kerley, C. G., 38.
Kerr, J. M. Munro, 344.
Key, J. A., 498, 505.
Kidd, Frank, 111, 124.
Kidney, Calcification of (abstract), W. S. Pugh, 264.
Kidney, Hydronephrotic double, with bifid megaloureters: report of case (abstract), E. W. White, 268.
Kidney, Movable, with kink or angulation, *vs.* ureteral stricture (abstract), Frank Hinman, Morrell Vecki, and C. M. Johnson, 537.
Kidney, Telangiectasis of, simulating renal tumor (abstract), P. A. Jacobs and W. Rosenberg, 448, 449.
Kiek, T. S., 26, 38.
Kikuth, 470 (footnote).
King, 54, 55.
King, A. A., 82.
King, J. Cash, 148.
Kingerer, 278.
Kinney, K. K., 399, 404.
Kirkland, Stanley, 530.
Kirklin, Byrl R., 205, 216, 218, 442, 463, 519, 523.
Kirklin, Byrl R., Caylor, Harold D., and Bollman, Jesse L., Concentration of cholecystographic mediums and bilirubin by gall bladder (original paper), 463. *See other references.*
Klauder, J. V., 279.
Klein, 66.
Klewitz, 192, 194, 198, 199.
Kloevekorn, G. H., 265.
Knapp, Hermann, 83.
Knox, L. C., 442, 521.

Kodama, S., 201, 204, 212.
Koenig, Edward C., 104, 132.
Koenig, Edward C., X-ray assistance in solving genito-urinary problems (original paper), 104. *See other reference.*
Koessler, 198.
Koessler, K. K., 283, 284.
Kolischer, Gustav L., 110, 115, 117, 119, 123.
Koll, Irvin S., 112, 124.
Kollman, J., 38.
Kolodny, Anatole, 343, 353.
Koskowski, 55.
Kovacs, Richard, 258.
Kramer, 470 (footnote).
Kress, L. C., 321.
Kretschmer, Herman L., 110, 117, 118, 123, 124.
Kummel, H., 114, 124.
Küpferle, 236, 240.
Kustner, Hans, 177.
Kyphosis, Cardiospasm, with kinking of esophagus from, A. B. Moore and P. P. Vinson, 73.

Lacassagne, Anton, 253, 440, 442, 521, 522.
Laënnec, 478.
Laffer, 17, 22.
Lafferty, Robert H., 338.
LaField, W. A., 338.
Lahm, W., 449, 450.
Lamp, ultra sun (Landeker), Intravaginal irradiation with (abstract), N. Neufeld, 173.
Lancreaux, 35, 38.
Landau, George M., 80.
Landauer, R. S., 249.
Landes, 55.
Landry, Jerome, 340.
Lane, Sir Arbuthnot, 452.
Lane, W. A., 2, 16, 19, 22, 23, 38.
Lang, F. W., 267.
Lange, 507-509.
Langer, Erich, 175.
Lanz, 38.
Laplace, E., 60, 64, 384, 386.
LaRocque, 60.
Larynx, early malignancy of, treated by electro-desiccation and radium, Treatment of (abstract), R. H. Craig, 447.
Laurens, Harry, 442, 521.
Lauwens, R., 38.
Law, F. M., 135.
Lawson, John D., 174, 265.
Lazarew, N. W., 447.
Lazarus, Joseph A., 88.
Leake, Mrs. W. W., 520.
Leceo, F. M., 38.
Leckert, E. L., 340.
Leconte, M., 142, 145.
Le Count, E. R., 455.
Ledoux, Lucien, 340.
Lee, Burton J., 445, 525.
Lee-Brown, R. K., 120, 124.
Leedham-Green, C. A., 114, 124.
Le Fevre, Walter I., 442, 524.
Leitch, Archibald, 344.
Lejune, F. E., 425.
Lemere, H. B., 281, 284.
Leonard, 197.
Leopold, Jerome S., 265.
Lepage, G., 232.
Lepennetier, F., 534, 535.
Leveuf, J., 24, 38.
Levy, Louis, 340.
Levy, Robert, 425.
Levyn, Lester, 442, 524.
LeWald, L. T., 132, 133, 145-147, 233, 234, 338, 406, 494, 495, 519, 524, 525.
Lewis, Dean, 259.
Lewis, Frederick, 517.
Lewis, P. A., 236, 237, 240.
Leyda, James H., 280, 284, 425.
L-F treatment timer, 168.
Library, Radiological Society's, 78, 254.
Lichtenberg, A., 110, 123.
Lichty, 479.
Liebel-Flarsheim Company, 168, 169.
Liek, E., 497, 505.
Lim, 55.
Liniger, 65.
Linitis plastica, Benign hypertrophy of stomach and (abstract), Kirby Dwight, 260.
Linzenmeier, G., 92, 103.
Lipiodol, Effect of injection of, and rate of its disappearance, in normal and diseased lungs (abstract), D. H. Ballon and H. C. Ballon, 178.
Lipiodol, False lung abscess and (abstract), H. P. Mosher, 177.
Lipiodol. *See also* Iodized oil.
Liss, I. E., 100, 103, 150, 152.
Little, 276.
Lockwood, I. H., 444, 524.
Lo Grasso, Horace, 442, 521.
Lomholt, Sven, 274, 276, 279.
London Hospital, 336.
Lorey, 65.
Lortet, 235, 240.
Lossen, 65.
Loucks, R. E., 338.
Lowenstein, E., 114, 122, 124, 134.
Lowsley, Oswald S., 109, 123.
Luckhardt, 47, 52, 55.
Lung abscess, False, and lipiodol (abstract), H. P. Mosher, 177.
Lung, hydatid diseases of, Artificial pneumothorax in (abstract), F. Deve, 84.
Lung, malignant neoplasms of, Roentgen diagnosis of, I. Seth Hirsch, 470.
Lung tumors, Diagnosis of (abstract), H. J. Isaacs, 509.
Lungs, normal and diseased, Effect of injection of lipiodol, and rate of its disappearance, in (abstract), D. H. Ballon and H. C. Ballon, 178.
Lusk, Prof., 146.
Lymph nodes, Cervical, in intra-oral carcinoma, James J. Duffy, 373.
Lymphosarcoma of nasopharynx treated with radium and X-rays, Case of (abstract), H. A. Colwell, 87.
Lynch, Mrs. Clyde, 520.
Lynch, R. C., 340, 425.
Lyon, B. B. V., 60, 63, 86, 464.

MacCarty, W. C., 60, 64, 215, 218, 442, 469, 521.
Macdonald, H. G., 60, 63.
MacDougal, D. T., 528.
MacKee, 250.
Mackenzie, Wallace D., 86, 265.
MacLaren, A., 60, 63.
Macleod, J. M. H., 277, 279.
Maes, Urban, 340.
Magarey, A. Campbell, 38.
Magath, T. B., 238.

Magruder, L. F., 160.
Mahle, A. E., 322, 329.
Maier, R. J., 166, 234, 441.
Malignancy of cervix, Radiation treatment of, by radium emanation, Ira I. Kaplan, 314.
Malignancy of larynx, early, treated by electro-desiccation and radium, Treatment of (abstract), R. H. Craig, 447.
Malignant growths, Thermocauterization of: the use of the direct acetylene flame as a destructive agent, W. H. Kennedy and Hamilton Row, 304.
Malignant neoplasms of lung, Roentgen diagnosis of, I. Seth Hirsch, 470.
Mall, 230.
Manges, W. F., 531.
Mann, 55.
Mann, Frank C., 446, 463, 469.
Mansur, E. E., 495, 496.
Marchand, 457.
Margot, A. G., 236, 240.
Marion, G., 111, 124.
Martin, Ancil, 84.
Martin, Charles L., 140, 145.
Martin, James M., 338, 442, 523.
Martin, J. L., 279.
Martinez, D. B., 442, 523.
Martius, H., 241, 245, 246, 249.
Martzloff, Karl H., 322, 329, 538.
Marum, 194.
Massopust, L. C., technician and department artist, 111, 232.
Matas, Rudolph, 442.
Mathews, 59.
Matti, Joseph, 259.
Mattick, Walter, 159.
Mattison, James A., 447.
Maxwell, T. A., 340.
May, Robert J., 338.
Mayer, Edgar, 442.
Mayo Clinic, 205, 315, 496.
Mayo, W. J., 18, 24, 25, 38.
McBride, Earl D., 264.
McCarthy, 55.
McClintock, 55.
McClure, 509.
McConnell, 17-20, 22.
McCoy, Charles, 442, 524.
McCullough, John F., 338.
McCutchen, L. G., New device for reduction of fractures: uses, advantages, and results, 308.
McGrath, J. J., 237-240.
McGuffin, W. H., 266.
McHutchison, John P., 178.
McIlvain, 55.
McIntyre, 457.
McKenna, Charles M., 109, 123.
McKenty, J., 23, 38.
McKenzie, K. G., 404.
McKenzie, T. Clyde, 82.
McKinney, G. C., 340, 520.
McMahon, Bernard J., 415, 417, 424, 426.
McMaster, P. D., 463, 469.
McPhedran, F. Maurice, 88, 175, 442, 523, 525.
Means, P. C., 408, 412.
Mediastinopericarditis, Cardiolysis for, with case report (abstract), J. A. Mattison, 447.
Megalo-ureters, bifid, Hydronephrotic double kidney with: report of case (abstract), E. W. White, 268.
Meland, Orville N., 444, 523.
Melchior, 7, 14, 38.
Meltzer, 86.
Melville, Stanley, 438.
Menees, Thomas O., 205, 208, 213, 216.
Menees, Thomas O., and Holly, Leland E., Oral cholecystography: comparison of methods (original paper), 213. *See other references.*
Mentzer, S. H., 469.
Menville, Leon J., 81, 339, 417, 519, 523.
Menville, Mrs. L. J., 340, 520.
Merriam, R. A., 528.
Mertz, H. O., 444, 524.
Meyer, Hans, 272, 279.
Meyer, William H., 65, 66, 174.
Meynier, A. C., 520.
Miescher, G., 248, 249.
Milch, 52, 55.
Milk, irradiating, Danger of, 256.
Miller, 55.
Miller, M. O., 340.
Millikan, R. A., 528.
Milliken, Gibbs, 208, 215.
Mills, Harlan P., 444, 524.
Mills, R. Walter, 11, 14.
Millwee, R. H., 338.
Minkowski, 38.
Mix, C. L., 60, 63.
Moise, Theodore S., 124.
Moja, Otto, 236, 240.
Mollison, 24, 38.
Monod, O., 321.
Monroe, 475.
Moodie, R. L., 304, 307.
Moody, 232.
Mooney, Bernard R., 356.
Moore, Alexander B., 73, 217, 338.
Moore, F. D., 60, 63.
Moore, Sherwood, 159, 162, 200-204, 216-218, 445, 525.
Moore, Sherwood, Cholecystography: a summary (original paper), 200. *See other references.*
Moore, T. W., 284.
Moorhead, E. L., 55, 60, 63.
Morgagni, 148.
Morgan, 230.
Morison, J. M. Woodburn, 528.
Moritsch, M., 124.
Morley, J., 38.
Morris, R. L., 38.
Morrison, William R., 449.
Morrissey, J. H., 109, 123.
Morton, J. J., 237-240.
Mosher, Harris P., 177.
Mottram, J. C., 265.
Moynihan, Sir B. G. A., 25, 38, 212.
Mühsam, Richard, 235, 240.
Muir, Joseph, 370.
Müler, George, 385.
Mullen, R. W., 74.
Müller (Mueller), W., 95, 103.
Mullin, W. V., 280-284.
Multotherm, Peerless, 319.
Mundt, G. Henry, 427, 428, 431, 432.
Murphy, J. B., 236, 237, 240.
Murphy, John T., 159, 442, 521.
Musser, John H., 443, 524.
Musser, Mrs. John H., 520.
Mutscheller, A., 524.

Nafziger, H. C., 404.
Nagel, 38.
Nakahara, Waro, 240.

Nakashima, 449.
Nasopharynx, lymphosarcoma of, treated with radium and X-rays, Case of (abstract), H. A. Colwell, 87.
Negro, M., 111, 124.
Neoplasm, inoperable, in man, Further communication regarding results of radiochemical treatment of (abstract), R. Werner, 537.
Neoplasms, electrothermic methods in treatment of, Newer developments in (abstract), G. A. Wyeth, 261.
Nesbit, G. E., 10, 14.
Nessa, N. J., 74, 443, 523.
Neuberg, Carl, 272.
Neufeld, N., 173.
Neuro-surgical Society, 394.
New, Gordon B., and Judd, E. Starr, Surgery in cases of intra-oral cancer, 380.
New Orleans meeting of the Society, *see under* Annual Meeting.
Newcomer, Elizabeth, 443, 524.
Newcomer, N. B., 443, 524.
Newcomet, W. S., 338.
Newell, Robert R., 520, 525.
Newman, 230.
Nichols, Bernard H., 112, 117, 124, 136-147, 338, 445, 519, 523, 525.
Nichols, B. H., Some observations from roentgenological study of aorta (original paper), 136. *See other references.*
Niles, 16, 22.
Nix, J. T., 340.
Noback, G. J., 92, 100, 103, 149, 152.
Nogier, T., 110, 124.
Noyes, A. A., 528.

Oakman, C. S., 213-215, 443, 524.
Ochsner, 304, 307.
Ochsner, Alton, 443, 523.
Ochsner, A. J., 18, 23, 38, 43, 46.
O'Conor, Vincent J., 110, 117, 123-135.
O'Conor, Vincent J., and Remmert, Arthur, Value of pyelo-ureterography as diagnostic aid (original paper), 125. *See other references.*
Oerting, H., 60, 63.
O'Keefe, Hon. Arthur J., 520.
Olch, I. Y., 200, 204, 263.
Ophthalmological, Rhinological and Otolaryngological Society of New Orleans, 424.
Ophthalmology, Irradiation in (abstract), W. Stock, 173.
Oppel, W. A., 38.
Oppenheim, 346.
Orndoff, Benjamin H., 47, 55, 80, 337, 338, 443, 445, 519, 522, 525.
Orr, H. Winnett, 443, 444, 522.
Orr, T. G., 41, 42, 45, 46.
Osgood, 447.
Osler, 139.
Oswald, A., 298.
Ovaries, Treatment of, with small doses of roentgen rays, and pregnancy (abstract), F. Heimann, 85.

Pain, Mechanism of, in gastric and in duodenal ulcer. III.—Rôle of peristalsis and spasm (abstract), W. L. Palmer, 177.
Palmer, Walter L., 177.
Pancoast, Henry K., 81, 337, 338, 531.
Papin, E., 109, 123.
Paré, Ambroise, 304.
Park, 509.
Parmenter, F. J., 104.
Paul, F. T., 176.
Peemoeller, Fr., 108, 163.
Peerless Electro-medical Corporation, New York, 319.
Peet, M. M., 405, 406.
Pemberton, F. A., 323, 329.
Pemberton, Ralph, 443, 521.
Pendergrass, Eugene P., 81.
Pendergrass, Robert C., and Clark, James J., Thoracic aneurysm: report of case, 512.
Penfield, W. G., 393, 395.
Pennel, V., 333, 334.
Percy, J. F., 304, 307.
Perkins, C. W., 150, 152.
Perry, Gentz, 443, 523.
Persson, M., 114, 124.
Peter, Luther C., 422, 423, 426.
Petersen, William F., 248.
Pfahler, George E., 209, 272, 278, 279, 295, 331, 337 338, 383, 386, 387, 428, 530.
Pfeufer, 37.
Pfluger, E., 35, 38.
Phalen, Lieut.-Col. J. N., 259.
Phemister, D. B., 461.
Phillips, 47, 52, 55.
Phillips, W. D., 340.
Pierce, 425.
Piersol, G. A., 232.
Pierson, J. W., 406, 407, 519.
Pillsbury, Henry C., 443, 524.
Pinch, A. E. H., 321.
Pirie, A. Howard, 2, 20, 530.
Plaut, A., 323, 329.
Plaut, R., 299.
Plotkin, T., 111, 124.
Plummer, H. S., 215.
Pneumocephalus, Case of, N. J. Nessa, 74.
Pneumoconiosis (Silicosis), H. K. Pancoast and E. P. Pendergrass (review), 81.
Pneumothorax, Artificial, in hydatid diseases of lung (abstract), F. Deve, 84.
Pneumothorax, Effect of posture on cases of (abstract), L. S. T. Burrell, 538.
Podlasky, Henry B., 83, 117.
Podljaschuk, L. D., 64.
Pohle, E. A., 64-67, 83-85, 88, 108, 147, 163, 173-177, 261-263, 265-268, 353, 354, 407, 443, 445-450, 505, 520, 525, 536, 537, 539.
Pohle, Ernst A., Limit exposure in radiography (original paper), 65-67. *See other references.*
Pohlman, A. G., 103.
Politzer, 267.
Pomeroy, L. A., 323, 329.
Porchownik, J. B., 147.
Portmann, U. V., 443, 523, 525.
Pott, Percival, 304.
Potter, R. P., 443, 524.
Pregnancy, Suppression of urine in connection with (abstract), John C. Hirst, II, 263.
Pregnancy, Treatment of ovaries with small doses of roentgen rays, and (abstract), F. Heimann, 85.
Prejean, Miss Octavia, 425.

Prest-O-Lite Company, 305.
Price, Byron S., 443.
Price, Lawrence T., 109, 123.
Profant, H. J., 411, 413, 414.
Prostate gland, Deep roentgen therapy in disease of (abstract), J. A. Lazarus, 88.
Prostatic calculi: with case report (abstract), H. B. Podlasky and D. V. Elconin, 83.
Public health, Service of X-rays in (editorial), Herman N. Bundesen, 251.
Pugh, Winfield S., 264.
Pulmonary suppuration, Experimental studies in (abstract), Emile Holman, L. R. Chandler and C. L. Cooley, 354, 355.
Putnam, Tracy Jackson, 159, 404.
Putzig, H., 94, 102.
Pyelography in renal tuberculosis, Walter M. Kearns, 109.
Pyelo-ureterogram, Critical study of (abstract), Leopold Casper, 173, 174.
Pyelo-ureterography as diagnostic aid, Value of, V. J. O'Conor and Arthur Remmert, 125.
Pyloric regurgitation, Antiperistalsis of duodenum and its relation to (abstract), Charles Bolton and R. W. A. Salmond, 539.

Quain, E. P., 20, 22, 23, 38, 41, 42, 44, 46.
Quartz Mercury Vapour Lamp (review), J. Bell Ferguson, 345.
Quick, Douglas, 337, 365, 371, 378, 379, 383, 386, 387, 443, 444, 519, 522.
Quigley, D. T., 338, 443, 523.
Quimby, A. J., 23, 38.
Quimby, Edith H., 443, 522.
Quinby, William C., 119, 124.

Radiation, biological effect of, Fundamental mechanism of (abstract), H. Holthusen, 449.
Radiation, New method of treating asthma by (editorial), S. Gilbert Scott, 336.
Radiation of tumors, Experiments on, with special reference to their blood supply (abstract), J. C. Mottram, 265.
Radiation purposes, Time-recording device for (abstract), F. Voltz, 177.
Radiation therapy in dermatology, Methods of, Rollin H. Stevens, 269.
Radiation therapy of carcinoma, Reasons for failures in (abstract), Hermann Wintz, 539.
Radiation-therapy, Spontaneous cure of carcinoma in its relation to (abstract), O. Strauss, 147.
Radiation, treatment by, Some phases of intra-oral tumors, with special reference to, James Ewing, 359.
Radiation treatment of malignancy of cervix by radium emanation, Ira I. Kaplan, 314.
Radio-biology of carcinoma, Regarding (abstract), H. Dehler, 505.
Radiochemical treatment of inoperable neoplasm in man, Further communication regarding results of (abstract), R. Werner, 537.
Radiography, Limit exposure in, E. A. Pohle, 65.
Radiologist and his apparatus (editorial), 516.
Radiologist's viewpoint, Goiter from (abstract), W. H. McGuffin, 266.
Radiology as an aid in diagnosis of skull and intracranial lesions, M. C. Sosman, 396.
Radiology, definition of, 338.
Radiotherapie (review), W. Vignal, 345.
Radium and electro-desiccation, Treatment of early malignancy of larynx treated by (abstract), R. H. Craig, 447.
Radium and X-rays, lymphosarcoma of nasopharynx treated with, Case of (abstract), H. A. Colwell, 87.
Radium Chemical Company, 317.
Radium Emanation Corporation, 370.
Radium emanation, Radiation treatment of malignancy of the cervix by, Ira I. Kaplan, 314.
Radium in intra-oral cancer, Curtis F. Burnam, 366.
Radium Institute, Brussels, 315.
Radium Institute, London, 314.
Radium therapy, New development in: application of later disintegration products of radium to treatment of certain skin conditions (abstract), J. P. McHutchison and W. H. Brown, 178.
Radium treatment in patients with carcinoma of cervix, Blood investigations during (abstract), E. Rud, 448.
Radium treatment of experimental tar cancer (abstract), G. Stoel, 85.
Radiumhemmet, Stockholm, 314.
Rainold, Mozart, 340, 519.
Rainold, Mrs, Mozart, 340, 520.
Ranson, John R., 444, 522, 525.
Raper, Howard Riley, 534.
Rathbun, Nathaniel P., 450.
Ratkoczi, 56.
Rays of different hardness, Tolerance dose of human skin when using (abstract), H. T. Schreus and L. Schoenholz, 174.
Reaves, W. P., 428.
Rectum, carcinoma of, Treatment of, by irradiation, Harry H. Bowing, 179.
Redding, J. Magnus, 257.
Redewill, Francis H., 124.
Régaud, C., 278, 315, 321, 507, 509.
Reid, D., 24, 38.
Reid, William D., 162.
Remer, 65.
Remmert, Arthur, and O'Conor, Vincent J., Value of pyelo-ureterography as diagnostic aid (original paper), 125.
Renal pelvic duplication (abstract), L. E. Grajewski and Paul Eisen, 261.
Renander, Axel, 256, 437, 529, 530.
Reyn, Axel, 275, 338.
Reynard, 110, 124.
Richard, E. J., 340.
Richdorf, L. H., 90-92.
Richter, H. M., 202, 204.
Rickets and ultra-violet light (abstract), Lutz Schall, 449.
Rickets, ultra-violet therapy of, Regarding (abstract), Fr. Peemoeller and F. Dannmeyer, 163.
Ridella, A., 92, 103.
Rieder, H., 11, 14.
Riedl, 38.
Rigele, Hermann, 176.
Ringleb, O., 110, 123.

Ritter, Hans, 236, 240.
Ritter, W. E., 528.
Robertson, H. E., 443, 522.
Robin, W. H., 340.
Robinson, 18, 22.
Robinson, H. C., 205, 208.
Rocher, 363, 365.
Rodenbaugh, F. H., 338.
Roentgen diagnosis of malignant neoplasms of lung, I. Seth Hirsch, 470.
Roentgen diagnosis of nasal sinus disease, H. J. Ullmann, 408.
Roentgen irradiation, Regarding changes of functional stage of blood vessels following. Second communication: On influence of roentgen irradiation upon following development of inflammatory processes (abstract), N. W. Lazarew, 446, 447.
Roentgen procedure, Significance of, in diagnosis and control of treatment of urethral diseases (abstract) Erich Langer, 175.
Roentgen-ray dose, Regarding dependence of biological effect from (abstract) H. Guthmann, 539.
Roentgen-ray exposures, synchronized, Clinical and physiological deductions from (abstract), F. M. McPhedran and C. N. Weyl, 174, 175.
Roentgen-ray injuries, Prophylaxis of (abstract), G. Holzknecht, 108.
Roentgen ray, Skull pathology revealed by, S. B. Whitlock, 153.
Roentgen-ray treatment of bronchial asthma and allied conditions, Further observations on, Isaac Gerber, 192.
Roentgen ray, Treatment of erysipelas by (abstract), J. E. Harbinson and J. D. Lawson, 265.
Roentgen-ray treatments, Errors in dosage during, caused by wrong reading of milliamperemeter, and their prevention (abstract), E. Fritsch, 268.
Roentgen rays, biological effect of, and its investigation with explantation method, On question of (abstract), M. Schubert, 175, 176.
Roentgen rays on carcinoma, Contribution to mechanism of effect of (abstract), J. Borak, 407.
Roentgen rays on carcinoma, Regarding more exact knowledge of effect of (abstract), H. Hamperl and G. Schwarz, 267.
Roentgen rays on development of tuberculosis in guinea pigs, Effect of, F. A. Ford, 235.
Roentgen rays on nitrogen and sodium chloride metabolism, Regarding effect of: experimental investigations (abstract), A. Jugenburg, 535, 536.
Roentgen rays, Treatment of ovaries with small doses of, and pregnancy (abstract), F. Heimann, 85.
Rontgen rays, Treatment with small doses of (abstract) A. Hellebrand, 88.
Roentgen therapy, Deep, in disease of prostate gland (abstract), J. A. Lazarus, 88.
Roentgen therapy, deep, in urology, Experiences with (abstract), H. Wintz, 84, 85.
Roentgen, Wilhelm Konrad, 230, 252, 433.
Roentgenograms and hospital records, Ownership of, 340.
Roentgenography in diagnosis of gastro-intestinal perforation (abstract), M. H. Todd, 450.
Roentgenology as investigational field in mechanism and diagnostic significance of physical signs of chest (abstract), R. A. Bendove, 268.
Rogers, John T., 211.
Rohde, Carl, 235, 240.
Roland, Marion M., 443, 523.
Rose, D. K., 536.
Rosenberg, 38.
Rosenberg, William, 449.
Rosenow, E. C., 414.
Rotch, 229.
Rous, Peyton, 463, 469.
Roux, J. C., 37.
Rovsing, T., 114, 124.
Row, Hamilton, and Kennedy, William H., Thermocauterization of malignant growths: the use of the direct acetylene flame as a destructive agent, 304.
Rowe, Edward W., 78, 79, 254, 338, 518, 520, 530.
Royal Edinburgh Hospital for Sick Children, 448.
Royal Infirmary, Edinburgh, 528.
Rubin, I. C., 38, 443, 523.
Rucker, W. H., 91, 92, 103.
Rud, Einar, 448.
Ruggles, H. E., 171, 404.
Rusticky, 457.
Rutledge, C. P., 340, 519, 520.
Ryan, E. J., 201, 204.

Sabouraud, 279.
St. Bartholomew's Hospital Radiological Cancer Research Department, 344.
St. Hilare, I. G., 232.
St. Mark's Hospital (England), 344, 345.
St. Martin, T. I., 340, 519.
Sajous, C. E. de M., 506, 509.
Salmond, R. W. A., 539.
Samuel, E. C., 338-340, 435, 519.
Samuel, Mrs. E. C., 340, 520.
Sansum, W. D., 410, 427.
Sansum, W. D., Ethmoidal and sphenoidal sinuses as sources of focal infection (original paper), 410. *See other reference.*
Sante, L. R., 88, 174, 177, 178, 254, 261, 263, 264, 332, 343, 353-355, 358, 443, 445, 447, 448, 519, 523, 525, 536.
Sarcoma, Bone: the primary malignant tumors of bone and the giant cell tumor (abstract), Anatole Kolodny, 343, 346-353.
Sarcoma, multiple, Cured case of (abstract), Eugen Sattler, 353.
Sattler, Eugen, 353.
Sauerbruch, 259.
Scammon, Richard E., 89.
Schall, 108.
Schall, Lutz, 449.
Schall, L. A., 73, 74.
Scheel, O., 96, 103.
Schilling, 192.
Schilling, N., 64.
Schlecht, H., 38.
Schlesinger's "Röntgendiagnostik," 252.
Schlueter, 354.
Schmidt, 497, 505.
Schmidt, Louis E., 110, 123.
Schmitz, Henry, 322-331, 338, 443, 445, 523, 525.
Schmitz, Henry, Relation of the degree of the histological malignancy to the prognosis and treatment of carcinoma of the uterine cervix (original paper), 322-331. *See other references.*
Schoenhof, S., 273, 274, 279.
Schoenholz, L., 174.

Schreiner, Bernard F., 159, 321.
Schreus, Hans Th., 174.
Schubert, M., 176.
Schüller, A., 160, 396, 404.
Schumacher, E. D., 34, 38.
Schwarz, G., 1, 14, 267.
Science Service, 525.
Scott, A. C., 304, 307.
Scott, S. Gilbert, New method of treating asthma by radiation (editorial), 336, 337.
Scripps, E. W., 526, 528.
Scripps, Robert P., 528.
Seitz, 174, 293, 314, 505.
Selby, 215.
Semilunar bone, Dislocation of: neurospastic fixation of hand: deformity characteristic of injury (abstract), E. D. McBride, 264.
Sencert, L., 23, 37.
Senechal, F. A., 80.
Sexton, W. G., 443, 524.
Sheldon, 242-244, 250.
Sheldon, F. B., 265, 353, 357, 537.
Shenton, E. W. H., 533.
Sielmann, 295.
Silbergleit, H., 37.
Silberman, O., 38.
Silbert, S., 393, 395.
Silverman, Daniel N., 443, 523.
Simmons, Channing C., 379-381.
Simon, Sidney K., 443, 522.
Simon, William, 340.
Simpson, C. Augustus, 443, 524.
Sinus disease, nasal, Roentgen diagnosis of, H. J. Ullmann, 408.
Sinus disease, nasal, Roentgenological evidence of (abstract), A. M. Cole, R. C. Beeler, and L. A. Smith, 135.
Sinus disease, paranasal, Surgical diagnosis of, J. R. Hume, 415.
Sinuses, Ethmoidal and sphenoidal, as sources of focal infection, W. D. Sansum, 410.
Sinuses, paranasal, Ocular manifestations of diseases of, M. E. Brown, 418.
Sisk, Ira R., 87.
Skillern, 135.
Skin conditions, application of later disintegration products of radium to treatment of certain: New development in radium therapy (abstract), J. P. McHutchison and W. H. Brown, 178.
Skin diseases, spleen exposure in, Regarding (abstract), F. Thedering, 446.
Skin, human, Tolerance dose of, when using rays of different hardness (abstract), H. T. Schreus and L. Schoenholz, 174.
Skin reactions, Physical and biological observations about, A. Bachem, 241.
Skinner, Edward H., 172, 444, 451, 524, 530.
Skinner, Edward H., Anatomical and postural variations of lumbosacral spine (original paper), 451. *See other references.*
Skull and intracranial lesions, Radiology as an aid in diagnosis of, M. C. Sosman, 396.
Skull pathology revealed by roentgen ray, S. B. Whitlock, 153.
Slocumb, Leith H., 332.
Slosson, Edwin E., 527, 528.
Sluder, Greenfield, 415, 417, 426.
Smith, 51, 55.
Smith, Lester A., 135, 444, 524.
Smyth, Mrs. John, 520.
Soiland, Albert, 295, 330, 331, 337, 338, 386, 387, 444, 523, 530.
Sonne, Carl, 271, 354.
Soper, H. W., 60, 63.
Sosman, Merrill C., 133, 159, 214, 217, 218, 396-404, 406, 444, 519.
Sosman, Merrill C., Radiology as an aid in the diagnosis of skull and intracranial lesions (original paper), 396. *See other references.*
Spangler, D., 166.
Spemann, P. L., 232.
Spinal cord, transverse lesions of, Therapy of (abstract), O. Weil, 84.
Spine, Anatomy, physiology, and anomalies of, Eben J. Carey, 219.
Spine, lumbosacral, Anatomical and postural variations of, E. H. Skinner, 451.
Spleen exposure in skin diseases, Regarding (abstract), F. Thedering, 446.
Spurling, Roy G., 354.
Stavely, 18, 22.
Stein, Irving F., 440, 523.
Steiner, G., 261.
Stephan, 195.
Stephan, Richard, 236, 240.
Stevens, George W., 111.
Stevens, J. Thompson, 444, 523.
Stevens, Rollin H., 269, 285, 295, 337, 338, 444, 521.
Stevens, Rollin H., Methods of radiation therapy in dermatology (original paper), 269. *See other references.*
Stewart, 69.
Stewart, George David, 344.
Stewart, W. H., 201, 204, 338, 404.
Stifel, J. L., 404.
Stincer, E., 42.
Stock, W., 173.
Stockard, C. R., 230-234.
Stoel, G., 85.
Stokes, C. F., 530.
Stomach, Benign hypertrophy of, and linitis plastica (abstract), Kirby Dwight, 260.
Stomach, lesser curvature of, Effect on jejunal mucosa of transplantation to (abstract), G. de Takats and F. C. Mann, 446.
Stomach, ulcer of, Medical treatment of (abstract), F. W. White, 356.
Stone, 22.
Strassmann, P., 100, 103.
Strauss, A., 323, 329.
Strauss, A. A., 51, 55, 64, 333.
Strauss, G., 298.
Strauss, O., 147.
Sturm, Ernest, 240.
Sullivan, Rev. F. D., 520.
Sullivan, Mark, 528.
Summers, 38.
Surgery, Gynecology and Obstetrics, 343.
Surgery in cases of intra-oral cancer, E. Starr Judd and Gordon B. New, 380.

Surgical diagnosis of paranasal sinus disease, J. R. Hume, 415.
Suslow, 24, 38.
Sutherland, Charles G., 217, 218, 260, 262, 265, 346, 444, 446, 448, 450, 494, 495, 525, 536.
Sutton, Don C., 77, 78.
Swalm, W. A., 60, 63.
Swan, 42.
Symington, 38.
Syndactylism and acrocephaly, Combined, occurring in mother and daughter: case report (abstract), A. A. Weech, 536.
Syphilis, early, Heart and aorta in: clinical observations (abstract), K. B. Turner and P. D. White, 177, 178.

Talley, L. F., 338.
Taquino, George, 340.
Taylor, A. S., 16, 17, 19, 22, 23, 28, 38.
Telangiectasis of kidney simulating renal tumor (abstract), P. A. Jacobs and W. Rosenberg, 448, 449.
Tessier, 235, 240.
Testicle and scrotum, malignant tumors of, X-ray and conservative surgery in treatment of (abstract), M. B. Wesson, 356, 357.
Testut, L., 24, 38.
Tetraiodophenolphthalein, Action of, on heart, William D. Reid and Florence L. Kenway, 162.
Thedering, Franz, 446.
Thermocauterization of malignant growths: the use of the direct acetylene flame as a destructive agent, W. H. Kennedy and Hamilton Row, 304.
Thibaut, P. L., 520.
Thoma, R., 97, 103.
Thomas, 47, 52, 55.
Thomas, Gilbert J., 109, 123.
Thorax, infant, Studies on growth and structure of, Richard E. Scammon, 89.
Thoring, 51, 55.
Thymic enlargement in children: its diagnosis and treatment, J. Cash King, 148.
Thymoma, Report of case of, M. F. Dwyer, 510.
Thymus, over-radiation of, in early infancy, Possible developmental defects following, G. H. Hess, 506.
Thymus. *See* Thorax, infant, Growth and structure of, R. E. Scammon, 89.
Thyroid and hypophysis, irradiating, according to Borak, Regarding treatment of climacteric disturbances by (abstract), J. B. Porchownik, 147.
Thyroid, calcified, Case of, R. A. Arens and A. R. Bloom, 333.
Tiblier, S. L., 520.
Ticken, 38.
Time-recording device for radiation purposes (abstract), F. Voltz, 177.
Titterington, Paul F., 444, 521.
Tod, M. C., 448.
Todd, M. H., 450.
Toldt, H., 38.
Tolson, Howard L., 88.
Treatment timer, L-F, 168.
Trostler, I. S., 75, 80, 81, 233, 337, 338, 437, 438, 518, 519.
Trostler, I. S., Simple method of cardiometry (original paper), 75. *See other references.*
Tuberculosis, genital, Regarding therapy of, in Women's Clinic in Freiburg (abstract), M. Wesseling, 83.
Tuberculosis in guinea pigs, Effect of roentgen rays on development of, F. A. Ford, 235.
Tuberculosis, renal, Pyelography in, Walter M. Kearns, 109.
Tuberculosis, renal, with hydronephrosis, Coincidence of (abstract), R. E. Cumming, 537
Tuberculosis, tracheobronchial, Diagnosis of (abstract), F. M. McPhedran, 87, 88.
Tuberculous dactylitis in infancy (abstract), M. C. Tod, 448.
Tumor, renal, Telangiectasis of kidney simulating (abstract), P. A. Jacobs and W. Rosenberg, 448, 449.
Tumors, adrenal, Diagnosis of (abstract), Thomas E. Gibson, 353.
Tumors, bone, X-ray diagnosis of, E. L. Jenkinson, 453.
Tumors, intra-oral, Some phases of: with special reference to treatment by radiation, James Ewing, 359.
Tumors, lung, Diagnosis of (abstract), H. J. Isaacs, 509.
Tumors of bone, Bone sarcoma—the primary malignant and the giant cell tumor (abstract), Anatole Kolodny, 343, 346-353.
Tumors of cecum: discussion and report of 48 cases (abstract), J. F. Erdmann and H. E. Clark, 262.
Tumors of testicle and scrotum, malignant, X-ray and conservative surgery in treatment of (abstract), M. B. Wesson, 356, 357.
Tumors, radiation of, Experiments on, with special reference to their blood supply (abstract), J. C. Mottram, 265.
Tungsten, ductile, court decision concerning 437.
Turner, Kenneth B., 178.

Ulcer, gastric and duodenal, Mechanism of pain in. III.—Rôle of peristalsis and spasm (abstract), W. L. Palmer, 177.
Ulcer, gastric, Perforation of, during X-ray examination (abstract), F. W. Lang, 267.
Ulcer of stomach, Medical treatment of (abstract), F. W. White, 356.
Ullmann, Henry J., 87, 178, 214, 217, 267, 330, 331, 338, 408, 411-413, 427, 430, 431, 444, 521.
Ullmann, Henry J., Roentgen diagnosis of nasal sinus disease (original paper), 408. *See other references.*
Ultra-violet light, Rickets and (abstract), Lutz Schall, 449.
Ultra-violet Light Therapy, Practical, T. C. McKenzie and A. A. King (review), 82.
Ultra-violet therapy of rickets, Regarding (abstract), Fr. Peemoeller and F. Dannmeyer, 163.
Unicellular organisms, X-rays of (II) (abstract), G. H. Kloevekorn and O. Gaertner, 265.
Unsworth, Charles V., 340.

Ureter, Necrosis of, perforation, peri-ureteral abscess (abstract), N. P. Rathbun, 450.
Ureteral stricture in male and female (abstract), H. L. Tolson, 88.
Ureteral stricture, Movable kidney, with kink or angulation, *vs.* (abstract), Frank Hinman, Morrell Vecki, and C. M. Johnson, 537.
Ureteropyelography (abstract), W. F. Braasch and B. H. Hager, 358.
Urethral diseases, Significance of roentgen procedure in diagnosis and control of treatment of (abstract), Erich Langer, 175.
Urine, Suppression of, in connection with pregnancy (abstract), John C. Hirst, II, 263.
Urology, deep roentgen therapy in, Experiences with (abstract), H. Wintz, 84, 85.
Uterine cervix, carcinoma of, Relation of degree of histological malignancy to prognosis and treatment of, Henry Schmitz, 322.

Van den Bergh, A. A. H., 464, 469.
Van der Hoeve, J., 426.
Vanderhoof, D., 38.
Van Dessel, A., 404.
Van Leeuwen, Prof. T. M., 258.
Van Wely, H., 259.
Vastine, J. H., 399, 404.
Vaughan, Victor C., 528.
Vecki, Morrell, 537.
Ventriculography, Indications for and technic of, Francis C. Grant, 388.
Verbrycke, J. R., Jr., 23, 38.
Vertebræ, lumbar, Fractures of transverse processes of (abstract), R. H. Kennedy, 447, 448.
Vignal, 256, 257.
Vignal, W., 345.
Vinson, Porter P., 73, 74.
Virchow, R., 38, 347.
Visceral Radiograms, Descriptive Atlas of (review), A. P. Bertwistle and E. W. H. Shenton, 533.
Vloedman, 55.
Vogt, E. C., 208, 215, 404.
Voltolini, 280, 284.
Voltz, F., 177.
Voltz, V., 315, 321.
von Sury, K., 100, 103.

Wallace, W. H., 495, 496.
Walker (Boston), 198, 199.
Wallart, 293.
Walther, H. W. E., 521.
Ward, E., 331.
Ward, G. G., 331.
Warwick, 211.
Wasson, W. W., 92, 100, 103, 281-284, 337, 338.
Waters, Charles A., 172, 338, 445.
Watkins, W. Warner, 444, 524.
Watson and Sons, Ltd., 529.
Waugh, 20, 22.
Weech, A. A., 536.
Weidlein, 354.
Weil, 140.
Weil, Oskar, 84.
Weiss, A., 23, 38.
Welch, Francis H., 136.
Wells, G. S., 411-413.
Werner, R., 537.
Wescott, William C., 338.
Wesener, E., 103.
Wesseling, M., 83.
Wesson, Miley B., 117, 124, 356, 357.
Westerborn, Anders, 110, 114, 122, 123.
Westminster Hospital Research Center, 345.
Wetterer, J., 258.
Weyl, Charles N., 175, 442, 523.
Wheelon, H., 1, 14, 47, 48, 51, 52, 55.
Whipple, 19, 22.
Whitacre, 42.
Whitaker, Lester R., 202, 204, 205, 208, 213-215, 354, 531.
White, E. C., 69.
White, Edward W., 268.
White, Franklin W., 356.
White, Paul D., 178.
Whitlock, S. B., 153.
Whitman, R. 497, 505.
Wildbolz, H., 114, 115, 124.
Wilkie, D. P. D., 23, 38, 86, 345, 355.
Willetts, 166.
Willey, 215.
Williams, E. G. C., 444, 524.
Williams, John G., 338.
Williams, Lester J., 340, 519.
Williams, W. H., 60, 64.
Wilson, P. D., 497, 505.
Wintz, Hermann, 85, 174, 285-303, 315, 329-331, 505, 538, 539.
Wintz, Hermann, Action of X-rays on endocrine glands (original paper), 285. *See other references.*
Witherbee, 65, 250.
Withers, Sanford, 444, 445, 522, 525.
Wolfer, John A., 39, 44, 56, 58.
Wolfer, John A., Chronic duodenal obstruction (original paper), 39. *See other references.*
Wood, Francis Carter, 259, 444, 521.
Wortly, Lady, 517.
Wright, 479.
Wyeth, George A., 261.

X-ray and conservative surgery in treatment of malignant tumors of testicle and scrotum (abstract), M. B. Wesson, 356, 357.
X-ray assistance in solving genito-urinary problems, E. C. Koenig, 104.
X-ray Diagnosis: A Manual for Surgeons, Practitioners, and Students (review), J. Magnus Redding, 257.
X-ray diagnosis of bone tumors, E. L. Jenkinson, 453.

X-ray examination, Perforation of gastric ulcer during (abstract), F. W. Lang, 267.

"X-ray in Embryology and Obstetrics," Dorland and Hubeny, 231.

X-ray protection, Technic of, in therapy and diagnostic examination (abstract), Hermann Rigele, 176.

X-rays and radium, lymphosarcoma of nasopharynx treated with, Case of (abstract), H. A. Colwell, 87.

X-rays in public health, Service of (editorial), Herman N. Bundesen, 251.

X-rays of unicellular organisms (II) (abstract), G. H. Kloevekorn and O. Gaertner, 265.

X-rays on endocrine glands, Action of, H. Wintz, 285.

Yeats, 23, 38.
Young, Hugh H., 109, 113, 123.

Zak, E., 35, 38.
Zeigler, 458.
Ziegenspeck, R., 103.
Zweig, W., 60, 64.